

**ABSTRACT**

A weld shield device for facilitating end-to-end welding of two pipe segments having fiberglass liners. The weld shield device includes an insulation material applied about the outer surface of a sleeve body. The sleeve body helps establish a welding gap between the  
5 two pipe segments. The insulation material reduces the heat transfer from the welding operations to the fiberglass liners. Additionally, a method of joining two pipe segments with fiberglass liners is provided, which includes connecting a first end of a weld shield device to a first pipe segment and connecting a second pipe segment to the second end of the weld shield device with the weld shield device being partially in a cutout portion of the fiberglass liner. Then, the two pipe segments are welded together. Insulation material on the weld shield device reduces the heat transfer from the welding operations to the fiberglass liners.